Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original): A method of decreasing body weight in a patient, said method comprising administering a therapeutically effective amount of somatostatin or a somatostatin agonist to said patient.

Claim 2 (original): A method of claim 1, wherein said method comprises administering a therapeutically effective amount of a somatostatin agonist to said patient.

Claim 3 (original): A method of claim 2, wherein said somatostatin agonist is a somatostatin type-2 receptor agonist.

Claim 4 (original): A method of claim 2, wherein said somatostatin agonist is a somatostatin type-5 receptor agonist.

Claim 5 (original): A method of claim 3, wherein said somatostatin type-2 receptor agonist has a Ki of less than 2 nM for the somatostatin type-2 receptor.

Claim 6 (original): A method of claim 4, wherein said somatostatin type-5 receptor agonist has a Ki of less than 2 nM for the somatostatin type-5 receptor.

Claim 7 (original): A method of claim 2, wherein said somatostatin agonist is a somatostatin type-2 receptor selective agonist.

Claim 8 (original): A method of claim 2, wherein said somatostatin agonist is a somatostatin type-5 receptor selective agonist.

Claim 9 (original): A method of claim 7, wherein said somatostatin type-2 receptor selective agonist has a Ki for the somatostatin type-2 receptor that is at least 10 times less than the Ki for the somatostatin type-1, type-3, type-4, and type-5 receptors.

Claim 10 (original): A method of claim 8, wherein said somatostatin type-5 receptor selective agonist has a Ki for the somatostatin type-5 receptor that is at least 10 times less than the Ki for the somatostatin type-1, type-2, type-3, and type-4 receptors.

Claim 11 (original): A method of decreasing body weight in a patient, said method comprising administering a therapeutically effective amount of H-Cys-Phe-Phe-D-Trp-Lys-Thr-Phe-Cys-NH_2, wherein a disulfide bond exists between the free thiols of two Cys residues.

Claim 12 (original): A method of claim 1, wherein said patient is an non-insulin-dependent diabetic human.

Claim 13 (original): A method of claim 2, wherein said patient is an non-insulin-dependent diabetic human.

Claim 14 (original): A method of claim 3, wherein said patient is an non-insulin-dependent diabetic human.

Claim 15 (original): A method of claim 4, wherein said patient is an non-insulin-dependent diabetic human.

Claim 16 (original): A method of claim 5, wherein said patient is an non-insulin-dependent diabetic human.

Claim 17 (original): A method of claim 6, wherein said patient is an non-insulin-dependent diabetic human.

Claim 18 (original): A method of claim 7, wherein said patient is an non-insulin-dependent diabetic human.

Claim 19 (original): A method of claim 8, wherein said patient is an non-insulin-dependent diabetic human.

Claim 20 (original): A method of claim 9, wherein said patient is an non-insulin-dependent diabetic human.

Claim 21 (original): A method of claim 10, wherein said patient is an non-insulin-dependent diabetic human.

Claim 22 (original): A method of claim 11, wherein said patient is an non-insulin-dependent diabetic human.

Claim 23 (original): A method according to claim 1 wherein the somatostatin agonist is

H-D-ß-Nal-Cys-Tyr-D-Trp-Lys-Thr-Cys-Thr-NH_2,
H-D-Phe-Cys-Phe-D-Trp-Lys-Thr-Cys-ß-Nal-NH_2,
H-D-Phe-Cys-Tyr-D-Trp-Lys-Thr-Cys-ß-Nal-NH_2,
H-D-ß-Nal-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH_2,
H-D-Phe-Cys-Tyr-D-Trp-Lys-Thr-Pen-Thr-NH_2,
H-D-Phe-Cys-Phe-D-Trp-Lys-Thr-Pen-Thr-NH_2,
H-D-Phe-Cys-Tyr-D-Trp-Lys-Thr-Pen-Thr-OH,
H-D-Phe-Cys-Phe-D-Trp-Lys-Thr-Pen-Thr-OH,
H-Gly-Pen-Phe-D-Trp-Lys-Thr-Cys-Thr-OH,
H-Phe-Pen-Tyr-D-Trp-Lys-Thr-Cys-Thr-OH,
H-Phe-Pen-Phe-D-Trp-Lys-Thr-Pen-Thr-OH,

H-D-Phe-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-ol

H-D-Phe-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH_2,

H-D-Trp-Cys-Tyr-D-Trp-Lys-Val-Cys-Thr-NH_2,

H-D-Trp-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH_2,

H-D-Phe-Cys-Tyr-D-Trp-Lys-Val-Cys-Thr-NH_2,

H-D-Phe-Cys-Tyr-D-Trp-Lys-Val-Cys-Trp-NH_2,

H-D-Phe-Cys-Tyr-D-Trp-Lys-Val-Cys-Thr-NH_2,

Ac-D-Phe-Lys*-Tyr-D-Trp-Lys-Val-Asp-Thr-NH_2 (an amide bridge formed between Lys* and Asp),

Ac-hArg(Et)$_2$-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH_2,

Ac-D-hArg(Et)$_2$-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH_2,

Ac-D-hArg(Bu)-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH_2,

Ac-D-hArg(Et)$_2$-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH_2,

Ac-L-hArg(Et)$_2$-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH_2,

Ac-D-hArg(CH_2CF_3)$_2$-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH_2,

Ac-D-hArg(CH_2CF_3)$_2$-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH_2,

Ac-D-hArg(CH_2CF_3)$_2$-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Phe-NH_2,

Ac-D-hArg(CH_2CF_3)$_2$-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NHEt,

Ac-L-hArg(CH_2-CF_3)$_2$-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH_2,

Ac-D-hArg(CH_2CF_3)$_2$-Gly-Cys-Phe-D-Trp-Lys(Me)-Thr-Cys-Thr-NH_2,

Ac-D-hArg(CH_2CF_3)$_2$-Gly-Cys-Phe-D-Trp-Lys(Me)-Thr-Cys-Thr-NHEt,

Ac-hArg(CH_3, hexyl)-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH_2,

H-hArg(hexyl$_2$)-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH_2,

Ac-D-hArg(Et)$_2$-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NHEt,

Ac-D-hArg(Et)$_2$-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Phe-NH_2,

Propionyl-D-hArg(Et)$_2$-Gly-Cys-Phe-D-Trp-Lys(iPr)-Thr-Cys-Thr-NH_2,

Ac-D-ß-Nal-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Gly-hArg(Et)$_2$-NH_2,

Ac-D-Lys(iPr)-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH_2,

Ac-D-hArg(CH_2CF_3)$_2$-D-hArg(CH_2CF_3)$_2$-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH_2,

Ac-D-hArg(CH_2CF_3)$_2$-D-hArg(CH_2CF_3)$_2$-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Phe-NH_2,

Ac-D-hArg(Et)$_2$-D-hArg(Et)$_2$-Gly-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-NH_2,

Ac-Cys-Lys-Asn-4-Cl-Phe-Phe-D-Trp-Lys-Thr-Phe-Thr-Ser-D-Cys-NH_2,

H-Bmp-Tyr-D-Trp-Lys-Val-Cys-Thr-NH_2,

H-Bmp-Tyr-D-Trp-Lys-Val-Cys-Phe-NH_2,

H-Bmp-Tyr-D-Trp-Lys-Val-Cys-p-Cl-Phe-NH_2,

H-Bmp-Tyr-D-Trp-Lys-Val-Cys-ß-Nal-NH_2,

H-D-ß-Nal-Cys-Tyr-D-Trp-Lys-Val-Cys-Thr-NH_2,

H-D-Phe-Cys-Tyr-D-Trp-Lys-Abu-Cys-Thr-NH_2,

H-D-Phe-Cys-Tyr-D-Trp-Lys-Abu-Cys-ß-Nal-NH_2,

H-pentafluoro-D-Phe-Cys-Tyr-D-Trp-Lys-Val-Cys-Thr-NH_2,

Ac-D-ß-Nal-Cys-pentafluoro-Phe-D-Trp-Lys-Val-Cys-Thr-NH_2,

H-D-ß-Nal-Cys-Tyr-D-Trp-Lys-Val-Cys-ß-Nal-NH_2,

H-D-Phe-Cys-Tyr-D-Trp-Lys-Val-Cys-ß-Nal-NH_2,

H-D-ß-Nal-Cys-Tyr-D-Trp-Lys-Abu-Cys-Thr-NH_2,

H-D-p-Cl-Phe-Cys-Tyr-D-Trp-Lys-Abu-Cys-Thr-NH_2,

Ac-D-p-Cl-Phe-Cys-Tyr-D-Trp-Lys-Abu-Cys-Thr-NH_2,

H-D-Phe-Cys-ß-Nal-D-Trp-Lys-Val-Cys-Thr-NH_2,

H-D-Phe-Cys-Tyr-D-Trp-Lys-Cys-Thr-NH_2,

cyclo(Pro-Phe-D-Trp-N-Me-Lys-Thr-Phe),

cyclo(Pro-Phe-D-Trp-N-Me-Lys-Thr-Phe),

cyclo(Pro-Phe-D-Trp-Lys-Thr-N-Me-Phe),

cyclo(N-Me-Ala-Tyr-D-Trp-Lys-Thr-Phe),

cyclo(Pro-Tyr-D-Trp-Lys-Thr-Phe),

cyclo(Pro-Phe-D-Trp-Lys-Thr-Phe),

cyclo(Pro-Phe-L-Trp-Lys-Thr-Phe),

cyclo(Pro-Phe-D-Trp(F)-Lys-Thr-Phe),

cyclo(Pro-Phe-Trp(F)-Lys-Thr-Phe),

cyclo(Pro-Phe-D-Trp-Lys-Ser-Phe),

cyclo(Pro-Phe-D-Trp-Lys-Thr-p-Cl-Phe),

cyclo(D-Ala-N-Me-D-Phe-D-Thr-D-Lys-Trp-D-Phe),

cyclo(D-Ala-N-Me-D-Phe-D-Val-Lys-D-Trp-D-Phe),

cyclo(D-Ala-N-Me-D-Phe-D-Thr-Lys-D-Trp-D-Phe),

cyclo(D-Abu-N-Me-D-Phe-D-Val-Lys-D-Trp-D-Tyr),

cyclo(Pro-Tyr-D-Trp-t-4-AchxAla-Thr-Phe),

cyclo(Pro-Phe-D-Trp-t-4-AchxAla-Thr-Phe),

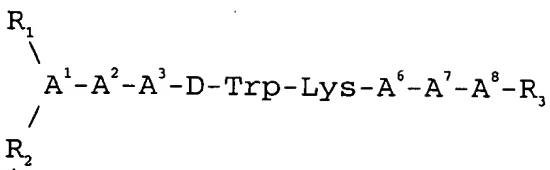
cyclo(N-Me-Ala-Tyr-D-Trp-Lys-Val-Phe),

cyclo(N-Me-Ala-Tyr-D-Trp-t-4-AchxAla-Thr-Phe),

cyclo(Pro-Tyr-D-Trp-4-Amphe-Thr-Phe),

cyclo(Pro-Phe-D-Trp-4-Amphe-Thr-Phe),
cyclo(N-Me-Ala-Tyr-D-Trp-4-Amphe-Thr-Phe),
cyclo(Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-Gaba),
cyclo(Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-Gaba-Gaba),
cyclo(Asn-Phe-D-Trp-Lys-Thr-Phe),
cyclo(Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-NH$(CH_2)_4$CO),
cyclo(Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-ß-Ala),
cyclo(Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-D-Glu)-OH,
cyclo(Phe-Phe-D-Trp-Lys-Thr-Phe),
cyclo(Phe-Phe-D-Trp-Lys-Thr-Phe-Gly),
cyclo(Phe-Phe-D-Trp-Lys-Thr-Phe-Gaba),
cyclo(Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-Gly),
cyclo(Asn-Phe-Phe-D-Trp(F)-Lys-Thr-Phe-Gaba),
cyclo(Asn-Phe-Phe-D-Trp(NO_2)-Lys-Thr-Phe-Gaba),
cyclo(Asn-Phe-Phe-Trp(Br)-Lys-Thr-Phe-Gaba),
cyclo(Asn-Phe-Phe-D-Trp-Lys-Thr-Phe(I)-Gaba),
cyclo(Asn-Phe-Phe-D-Trp-Lys-Thr-Tyr(But)-Gaba),
cyclo(Bmp-Lys-Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-Thr-Pro-Cys)-OH,
cyclo(Bmp-Lys-Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-Thr-Pro-Cys)-OH,
cyclo(Bmp-Lys-Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-Thr-Tpo-Cys)-OH,
cyclo(Bmp-Lys-Asn-Phe-Phe-D-Trp-Lys-Thr-Phe-Thr-MeLeu-Cys)-OH,
cyclo(Phe-Phe-D-Trp-Lys-Thr-Phe-Phe-Gaba),
cyclo(Phe-Phe-D-Trp-Lys-Thr-Phe-D-Phe-Gaba),
cyclo(Phe-Phe-D-Trp(5F)-Lys-Thr-Phe-Phe-Gaba),
cyclo(Asn-Phe-Phe-D-Trp-Lys(Ac)-Thr-Phe-NH-$(CH_2)_3$-CO),
cyclo(Lys-Phe-Phe-D-Trp-Lys-Thr-Phe-Gaba),
cyclo(Lys-Phe-Phe-D-Trp-Lys-Thr-Phe-Gaba),
cyclo(Orn-Phe-Phe-D-Trp-Lys-Thr-Phe-Gaba),
H-Cys-Phe-Phe-D-Trp-Lys-Thr-Phe-Cys-NH_2 ,
H-Cys-Phe-Phe-D-Trp-Lys-Ser-Phe-Cys-NH_2 ,
H-Cys-Phe-Tyr-D-Trp-Lys-Thr-Phe-Cys-NH_2 or
H-Cys-Phe-Tyr(I)-D-Trp-Lys-Thr-Phe-Cys-NH_2 .

Claim 24 (original): A method according to claim 1 wherein the somatostatin agonist is



wherein

A^1 is a D- or L- isomer of Ala, Leu, Ile, Val, Nle, Thr, Ser, ß-Nal, ß-Pal, Trp, Phe, 2,4-dichloro-Phe, pentafluoro-Phe, p-X-Phe, or o-X-Phe, wherein X is CH_3, Cl, Br, F, OH, OCH_3 or NO_2;

A^2 is Ala, Leu, Ile, Val, Nle, Phe, ß-Nal, pyridyl-Ala, Trp, 2,4-dichloro-Phe, pentafluoro-Phe, o-X-Phe, or p-X-Phe, wherein X is CH_3, Cl, Br, F, OH, OCH_3 or NO_2;

A^3 is pyridyl-Ala, Trp, Phe, ß-Nal, 2,4-dichloro-Phe, pentafluoro-Phe, o-X-Phe, or p-X-Phe, wherein X is CH_3, Cl, Br, F, OH, OCH_3 or NO_2;

A^6 is Val, Ala, Leu, Ile, Nle, Thr, Abu, or Ser;

A^7 is Ala, Leu, Ile, Val, Nle, Phe, ß-Nal, pyridyl-Ala, Trp, 2,4-dichloro-Phe, pentafluoro-Phe, o-X-Phe, or p-X-Phe, wherein X is CH_3, Cl, Br, F, OH, OCH_3 or NO_2;

A^8 is a D- or L-isomer of Ala, Leu, Ile, Val, Nle, Thr, Ser, Phe, ß-Nal, pyridyl-Ala, Trp, 2,4-dichloro-Phe, pentafluoro-Phe, p-X-Phe, or o-X-Phe, wherein X is CH_3, Cl, Br, F, OH, OCH_3 or NO_2;

each R_1 and R_2, independently, is H, lower acyl or lower alkyl; and R_3 is OH or NH_2; provided that at least one of A^1 and A^8 and one of A^2 and A^7 must be an aromatic amino acid; and further provided that A^1, A^2, A^7 and A^8 cannot all be aromatic amino acids.

Claim 25 (original): A method according to claim 24 wherein the linear somatostatin agonist is

H-D-Phe-p-chloro-Phe-Tyr-D-Trp-Lys-Thr-Phe-Thr-NH_2,

H-D-Phe-p-NO_2-Phe-Tyr-D-Trp-Lys-Val-Phe-Thr-NH_2,

H-D-Nal-p-chloro-Phe-Tyr-D-Trp-Lys-Val-Phe-Thr-NH_2,

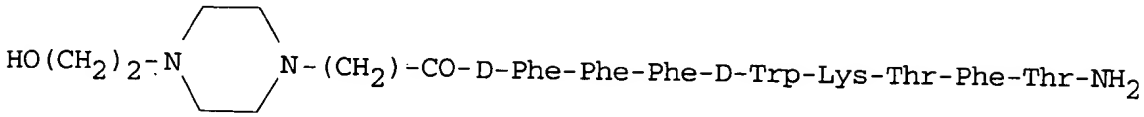
H-D-Phe-Phe-Phe-D-Trp-Lys-Thr-Phe-Thr-NH_2 ,

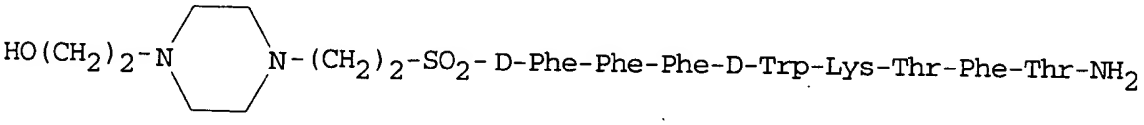
H-D-Phe-Phe-Tyr-D-Trp-Lys-Val-Phe-Thr-NH_2,

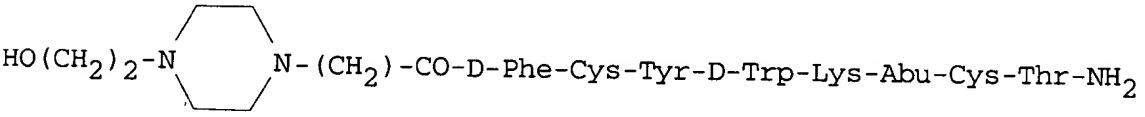
H-D-Phe-p-chloro-Phe-Tyr-D-Trp-Lys-Val-Phe-Thr-NH_2 or

H-D-Phe-Ala-Tyr-D-Trp-Lys-Val-Ala-ß-D-Nal-NH_2.

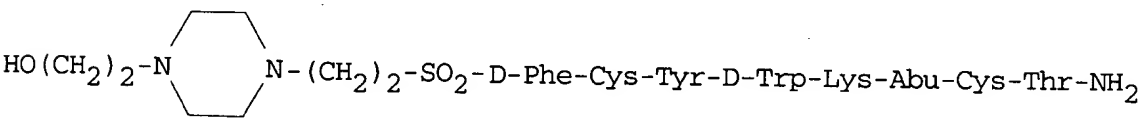
Claim 26 (original): A method according to claim 1 wherein the somatostatin agonist is







or



Claim 27 (original): A method according to claim 1 wherein said patient is obese.

Claim 28 (original): A method according to claim 3 wherein said patient is obese.

Claim 29 (original): A method according to claim 4 wherein said patient is obese.

Claim 30 (original): A method according to claim 7 wherein said patient is obese.

Claim 31 (original): A method according to claim 8 wherein said patient is obese.

Claim 32 (original): A method according to claim 11 wherein said patient is obese.

Claim 33 (canceled)

Claim 34 (canceled)

Claim 35 (canceled)

Claim 36 (canceled)

Claim 37 (canceled)